

IN THE CLAIMS

Please amend Claims 33 and 45.

Please cancel Claim 46.

1.-32. (canceled)

33. (currently amended) A method of exchanging gases in a light source comprising:

providing a hollow tube having a first end with a first endcap and a second end with a second endcap, an inlet valve and a first electrode associated with the first end and an outlet valve and a second electrode associated with the second end;

opening the inlet and outlet valves to provide for a simultaneous exchange of gases between said first electrode and said second electrode;

~~removing~~ flowing a first gas from between said first and second electrodes out of the light source through the outlet valve without a pump, and simultaneously ~~providing~~ flowing a second gas through the inlet valve into between said first and second electrodes without a pump, said first gas being different from said second gas; and

closing the inlet and outlet valves.

34. (previously presented) The method of Claim 33, wherein the first gas is selected from the group consisting of: inert gases, krypton, argon, neon, xenon, helium, mercury, neon/helium mixture, neon/argon mixture, oxygen, hydrogen, deuterium, and nitrogen.

35. (previously presented) The method of Claim 33, wherein the second gas is selected from the group consisting of: inert gases, krypton, argon, neon, xenon, helium, mercury, neon/helium mixture, neon/argon mixture, oxygen, hydrogen, deuterium, and nitrogen.

36. (previously presented) The method of Claim 33, wherein the first gas is selected from the group consisting of: inert gases, krypton, argon, neon, xenon, helium, mercury, neon/helium mixture, neon/argon mixture, oxygen, hydrogen, deuterium, and nitrogen; and the second gas is selected from the group consisting of: inert gases, krypton, argon, neon,

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xenon, helium, mercury, neon/helium mixture, neon/argon mixture, oxygen, hydrogen, deuterium, and nitrogen.

37. (previously presented) The method of Claim 33, wherein the inlet and outlet valves include seals to prevent gas from leaking past or through the valves from the tube.

38. (previously presented) The method of Claim 33, wherein the hollow tube comprises a straight hollow tube shape.

39. (previously presented) The method of Claim 33, wherein the hollow tube comprises a serpentine shaped hollow tube.

40. (previously presented) The method of Claim 33, wherein the light source comprises a lamp array of serially connected light sources.

41. (previously presented) The method of Claim 33, wherein the hollow tube comprises a rectangular planar shaped hollow tube.

42. (previously presented) The method of Claim 33, wherein the hollow tube comprises a spiral shaped hollow tube.

43. (previously presented) The method of Claim 33, wherein the hollow tube comprises a ring shaped hollow tube.

44. (previously presented) The method of Claim 33, wherein the hollow tube comprises a channel shaped hollow tube.

45. (currently amended) A method of exchanging gases in a light source comprising:

opening a first valve of the light source, and opening a second valve of the light source to allow a gas to substantially simultaneously flow through said first and second valves;

pumping a first gas initially located within the light source out of the light source while pumping a second gas into the light source, said second gas being different from said

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first gas, wherein one of said first and second gases is selected from the group consisting of mercury, oxygen, hydrogen, deuterium, and nitrogen; and

closing each valve of the light source.

46. (canceled)

47. (previously presented) The method of Claim 45, wherein the light source is a straight light source.

48. (previously presented) The method of Claim 45, wherein the light source is a serpentine light source.

49. (previously presented) The method of Claim 45, wherein the light source is a lamp array of serially connected light sources.

50. (previously presented) The method of Claim 45, wherein the light source is a rectangular planar light source.

51. (previously presented) The method of Claim 45, wherein the light source is a spiral light source.

52. (previously presented) The method of Claim 45, wherein the light source is a ring light source.

53. (previously presented) The method of Claim 45, wherein the light source is a channel light source.

54. (previously presented) The method of Claim 45, wherein the valves are open/close valves.

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